

Typical Pay Item Descriptions and Design Calculations

The following is a listing of typical work item descriptions and design calculations by Section.

Section 216 - Water:

Water @ 25 mgal/mi for dust palliative

Water @ 25 mgal/mi for subgrade preparation

Water @ 20 gal/ton for aggregate base course

Water @ 20 gal/ton for blended base course

Section 302 - Aggregate Base and Surface Course:

Aggregate Base Course @ 1.5 ton/cy + 25% = 1.875 ton/cy

Blended Base Course @ 1.5 ton/cy + 25% = 1.875 ton/cy

Section 401 - Prime, Tack, and Fog Coat:

MC-70 or 250 Liquid Asphalt @ 0.20 gal/sy for prime coat (top of blended base course)

MC-70 or 250 Liquid Asphalt @ 0.35 gal/sy for prime coat (top of aggregate base course)

Cover Coat Material Class 44 @ 6 lb/sy for prime coat

Cover Coat Material CL 44 (Blotter Sand) @ 25 lb/sy

SS-1h, CSS-1h or MS-1 Emulsified Asphalt @ 0.05 gal/sy for tack coat

SS-1h or CSS-1h Emulsified Asphalt @ 0.05 gal/sy for fog coat

Section 408/409 - Hot Bituminous Pavement:

Hot Bituminous Pavement CI 27 @ 2.0 ton/cy

Hot Bituminous Pavement CI 29 @ 2.0 ton/cy

Hot Bituminous Pavement CI 31 @ 2.0 ton/cy

Hot Bituminous Pavement CI 33 @ 2.0 ton/cy

PG 58-28 Asphalt Cement @ 5.8% of HBP for HBP*

* The percentage of asphalt may be revised per Materials and Research or the District Material Coordinator recommendations.

Section 420 - Bituminous Seal Coat:

MC3000P Liquid Asphalt @ 0.28 gal/sy for seal coat**

MC3000 Liquid Asphalt @ 0.28 gal/sy for seal coat**

HFMS-2 Emulsified Asphalt @ 0.38 gal/sy for seal coat**

HFRS-2 Emulsified Asphalt @ 0.38 gal/sy for seal coat**

HFRS2P Emulsified Asphalt @ 0.38 gal/sy for seal coat**

CRS2P Emulsified Asphalt @ 0.38 gal/sy for seal coat**

** The application rate may be revised per the District Material Coordinator recommendations.

Section 420 - Bituminous Seal Coat Cont.:

Cover Coat Material CL 41 @ 25 lb/sy

Cover Coat Material CL 42 @ 25 lb/sy

Cover Coat Material CL 43 @ 25 lb/sy

Cover Coat Material CL 45 @ 25 lb/sy

Cover Coat Material CL 44 (Blotter Sand) @ 25 lb/sy

Section 500 - Rigid Pavement:

Section 708 - Erosion Control:

Section 762 - Pavement Marking:

Line Descriptions

4" white lane lines, 10' line, 30' skip

4" yellow center lines, 10' line, 30' skip

Double 4" yellow barrier line (4" between)

4" white edge line

4" yellow edge line

Two-way left turn channelization

(4" yellow line and 4" yellow 10' line, 30' skip, 4" between)

8" white channel line

24" white stop line

6" white crosswalk line

24" White crosswalk line, 6' long, 2' line, 2' skip

8" white lines - 5' centers @ 45E, cross hatch lines

8" yellow lines - 5' centers @ 45E, cross hatch lines

4" yellow median island edge line (Use to denote edge line for cross hatch islands)

4" white median island edge line (Use to denote edge line for cross hatch islands)

Painted Curb, top and face (yellow or blue)

4" white dotted line, 2' line, 6' skip

No Passing Zone (4' yellow line and 4" yellow 10' line, 30' skip, 4" between)

Message Descriptions

() Only 22 SF each { () Denotes quantity }

() Right arrow 15 SF each

() Left arrow 15 SF each

() Through arrow 11 SF each

() Through and right arrow 26 SF each

() Through and left arrow 26 SF each

Railroad cross and RR's, 3 bands***

() Cross and 2 R's 65 SF each

() 3 bands 72 SF each

***Railroad crossings on all state highways shall be Plastic Pavement Marking Film.

Standard Basis of Estimate Quantities; Two - Way, Two - Lane Roadways:

4" yellow center lines, 10' line, 30' skip	1320	LF/MI	
4" yellow barrier line	990	LF/MI	(East of Highway No. 3)
4" yellow barrier line	1320	LF/MI	(West of Highway No. 3)
4" white edge line	10,560	LF/MI	

Additional Quantities; 4" white edge line for Flared Intersections:

Type I	1200	LF/EA
Type A	1400	LF/EA
Type B	2700	LF/EA

Additional Quantities; 4" white edge line for Railroad Crossings:

Urban R.R. Crossings	520	LF/EA
Rural R.R. Crossings	1520	LF/EA